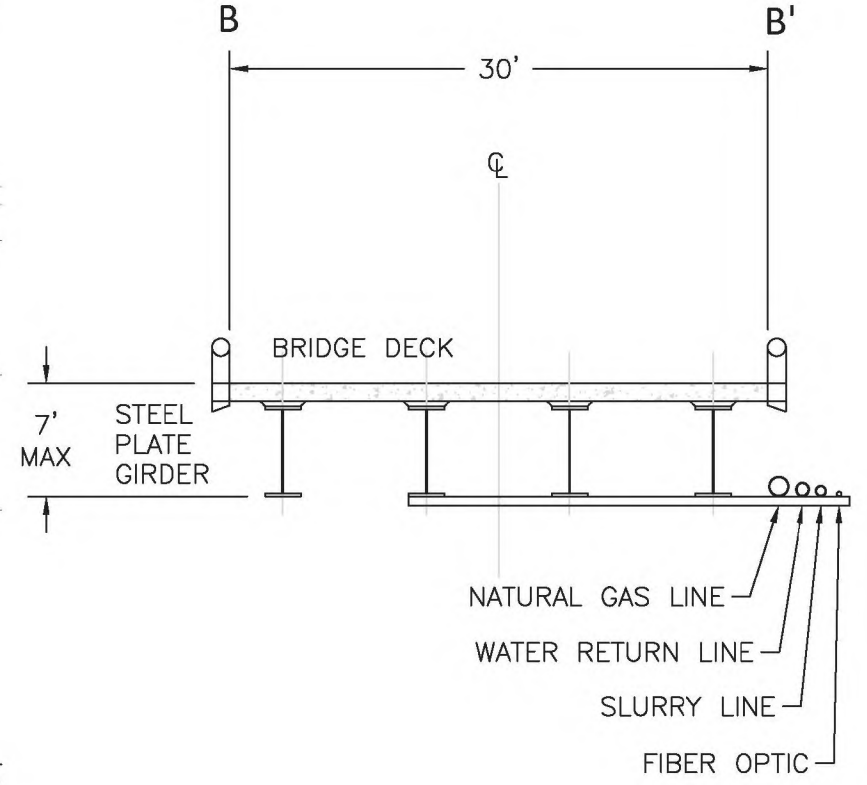
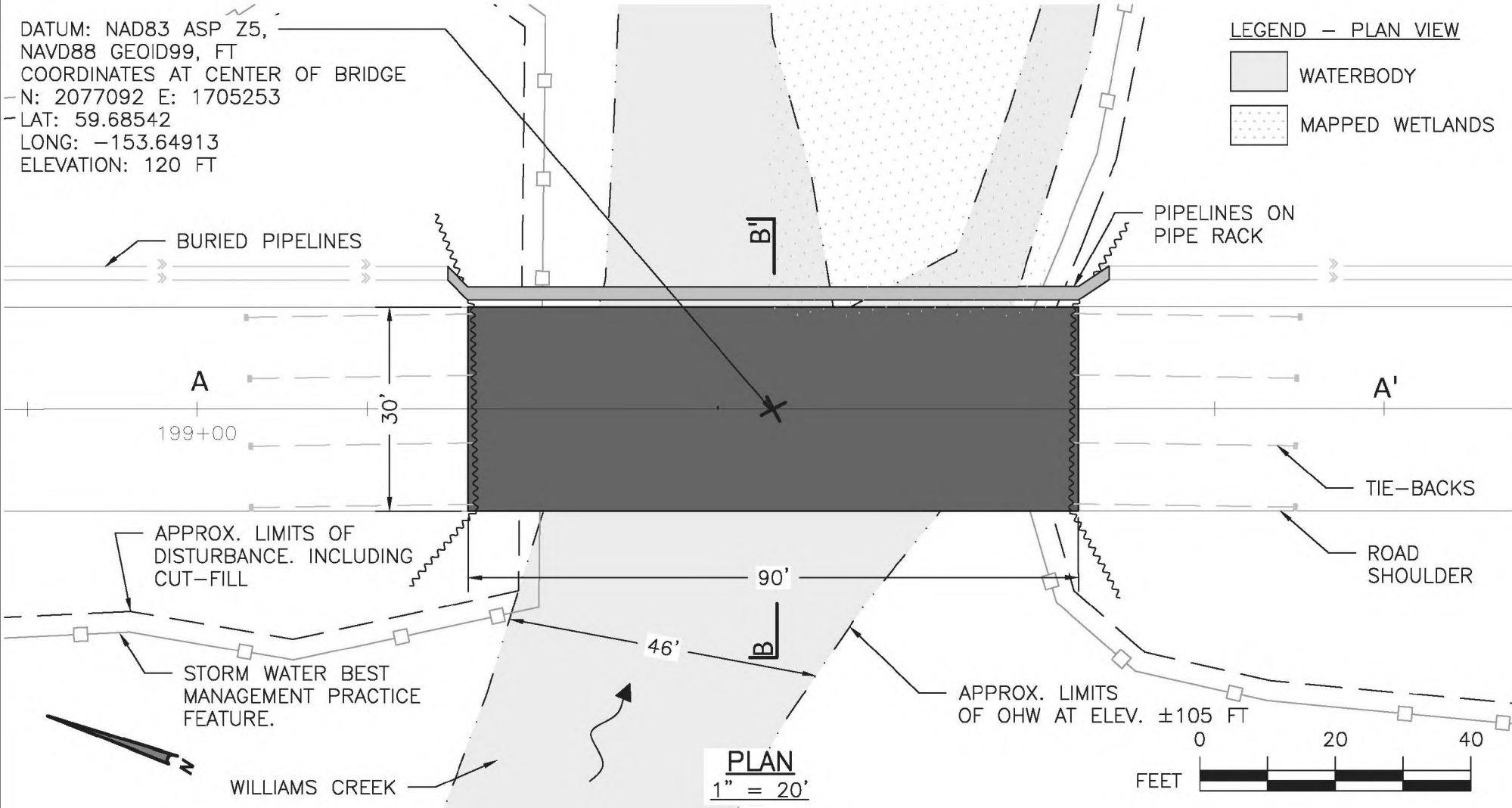
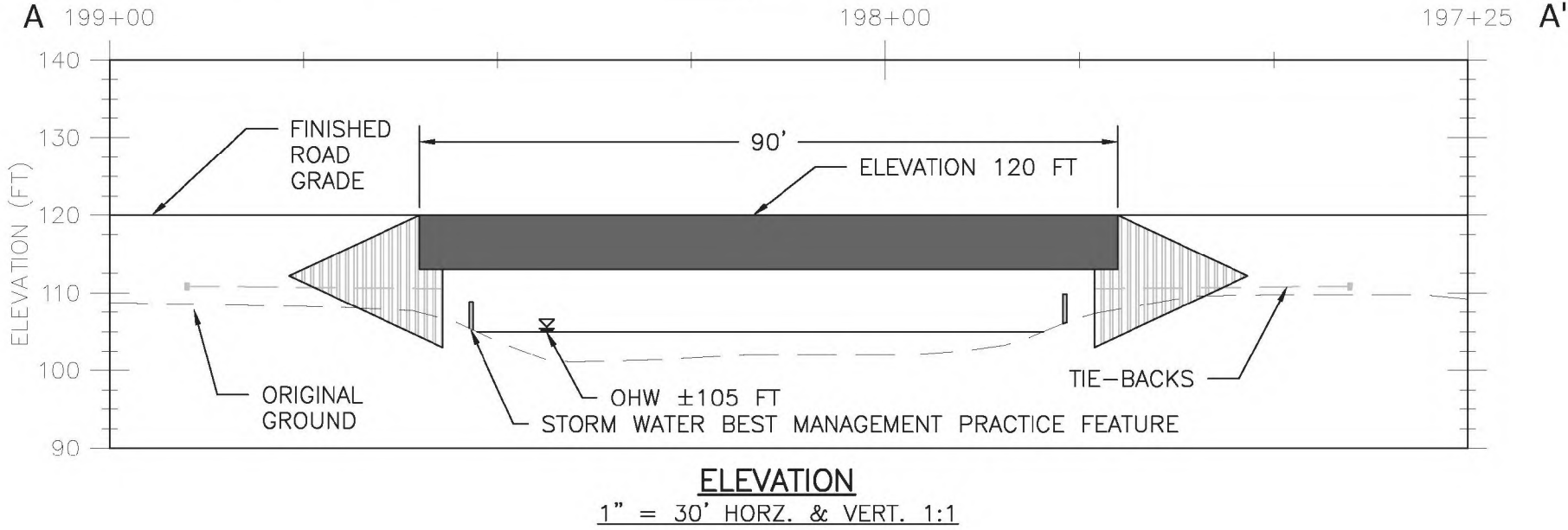


DATUM: NAD83 ASP Z5,  
NAVD88 GEOID99, FT  
COORDINATES AT CENTER OF BRIDGE  
N: 2077092 E: 1705253  
LAT: 59.68542  
LONG: -153.64913  
ELEVATION: 120 FT



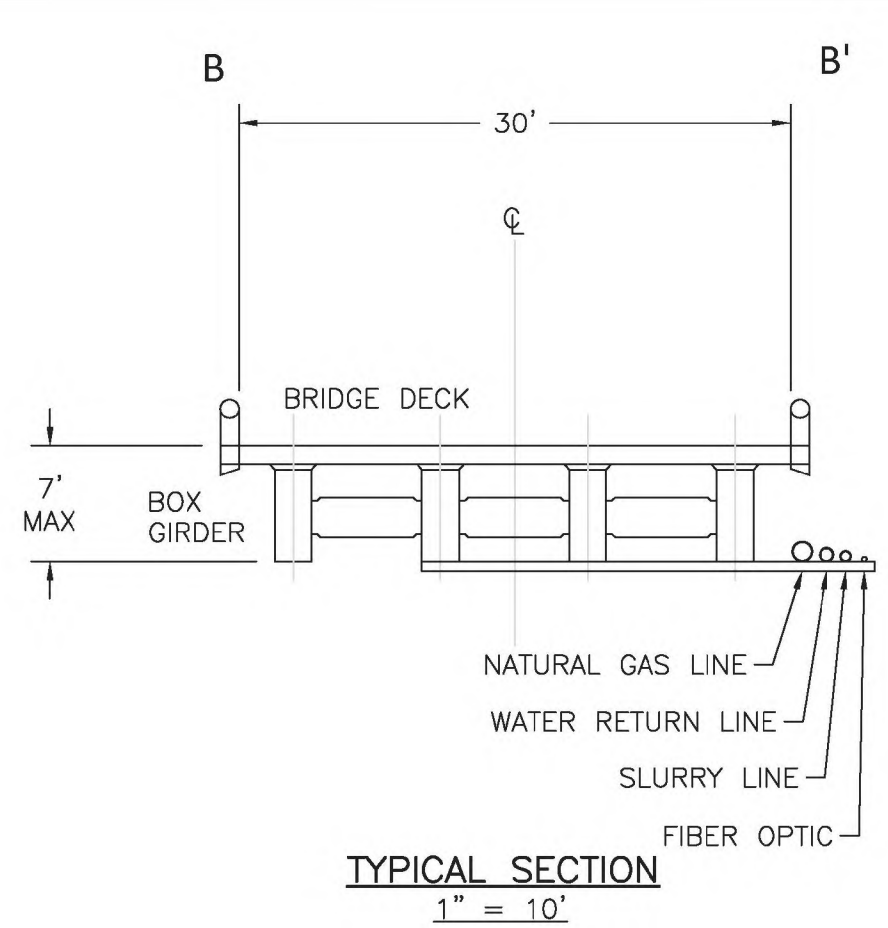
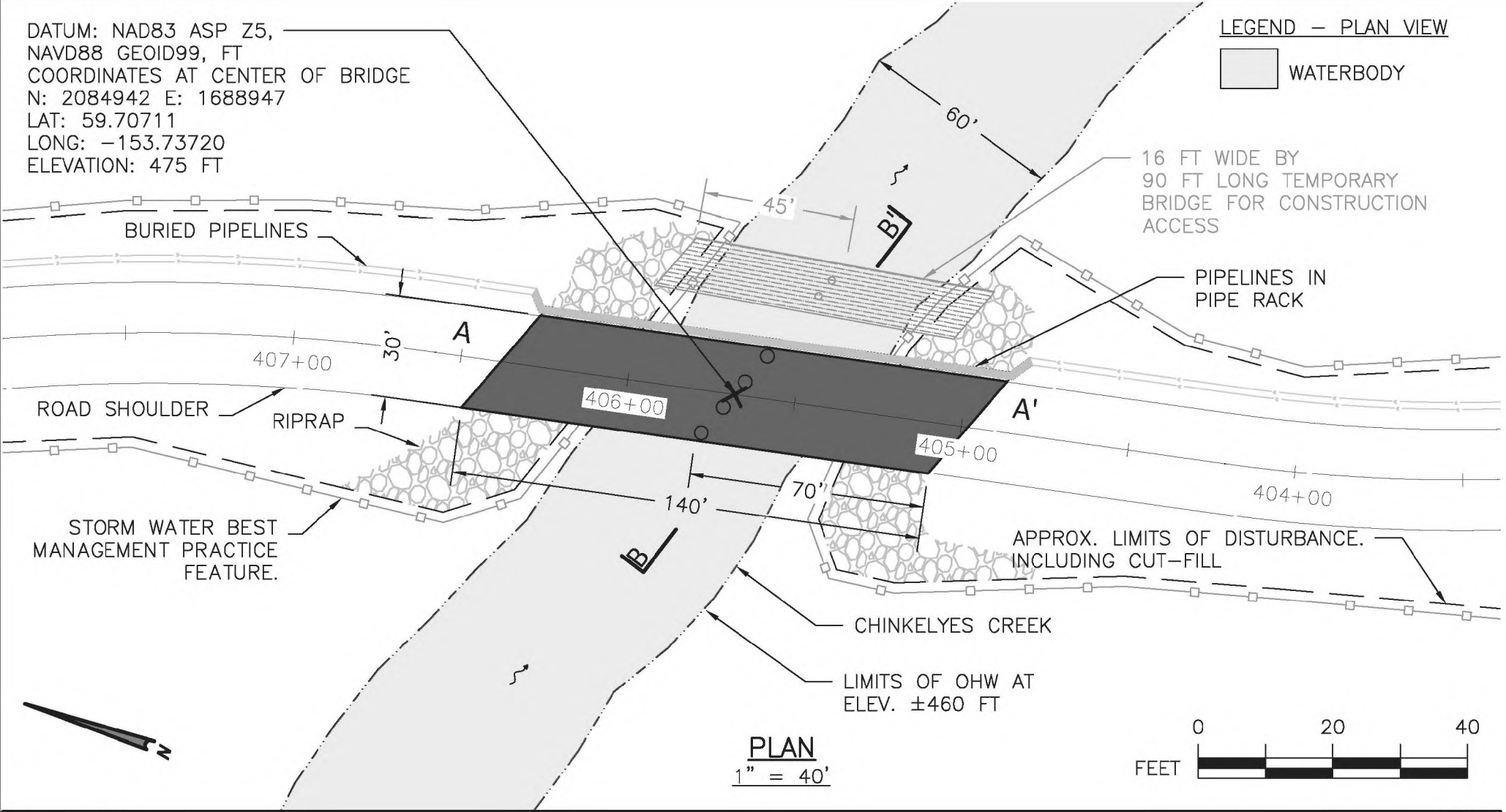
NOTES:

1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
3. WILLIAMS CREEK BRIDGE IS PROPOSED TO BE A SINGLE 90 FT SPAN. PROPOSED ABUTMENTS TO BE SHEET PILE AND SUBSTRUCTURE TO BE PILE AND PAD.
4. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK



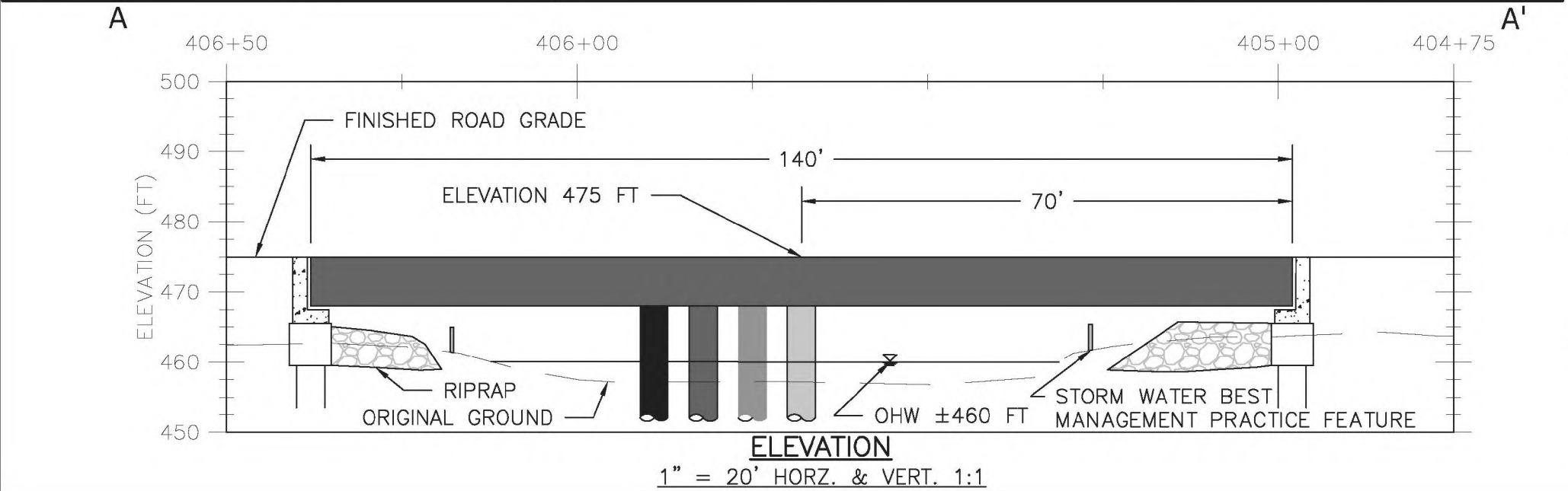
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		WILLIAMS CREEK BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: COOK INLET	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. BX-001





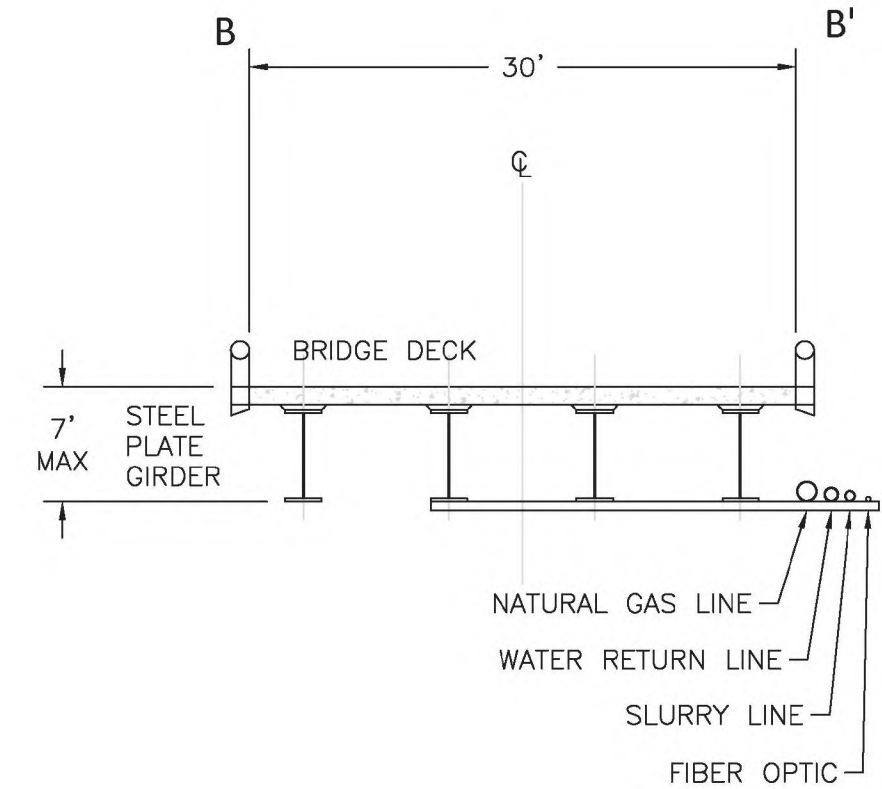
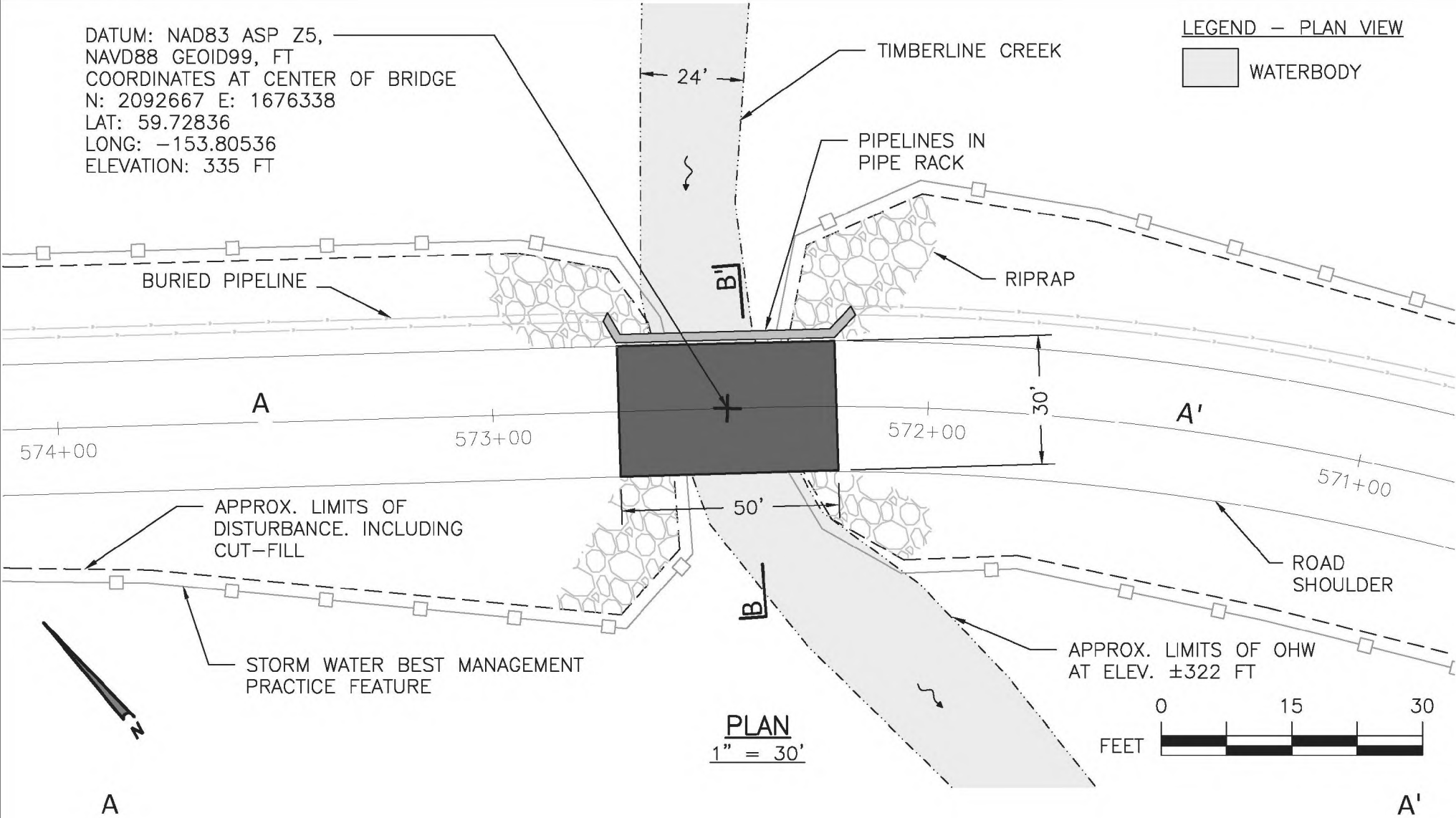
NOTES:

1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA.
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE, TWO SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER.
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. CHINKELYES CREEK BRIDGE PROPOSED LENGTH IS 140 FT WITH TWO SPANS AT 70 FT EACH. SKEW TO MATCH STREAM FLOWLINE. PROPOSED ABUTMENTS TO BE SPILL THROUGH AND SUBSTRUCTURE TO BE PAD OR PILE.

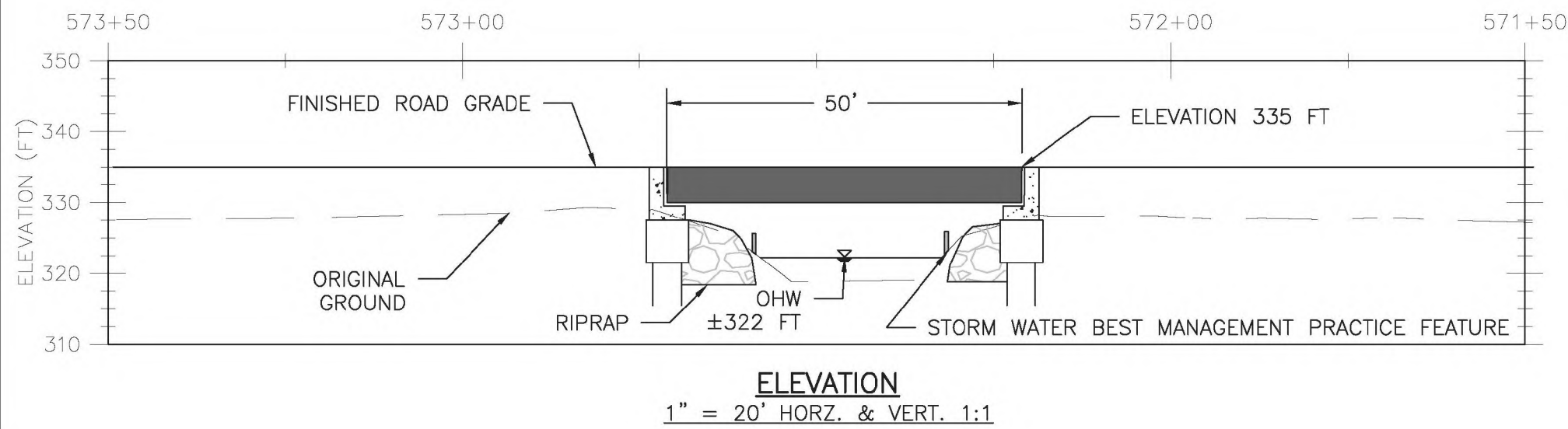


PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		CHINKELYES CREEK BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: ILIAMNA RIVER	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. BX-002





**TYPICAL SECTION**  
1" = 10'



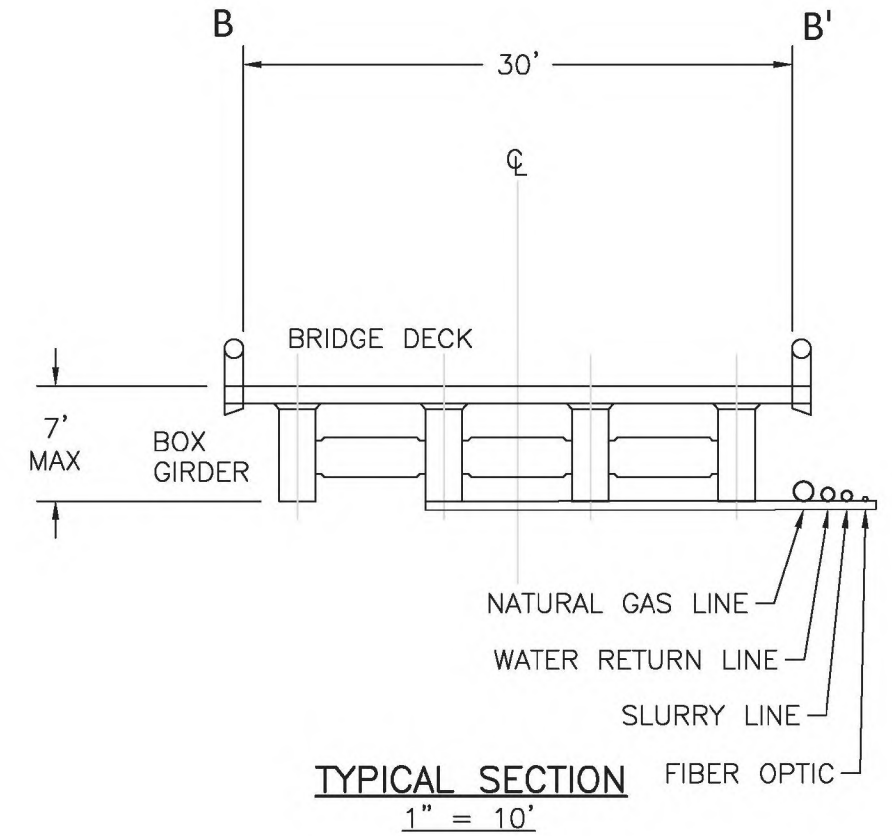
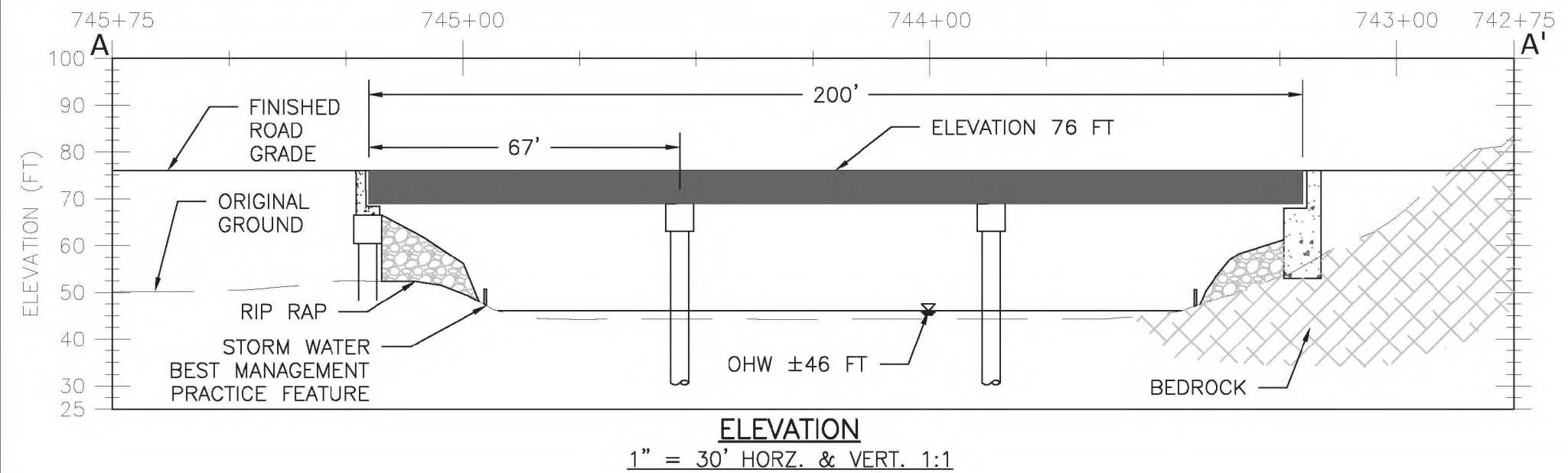
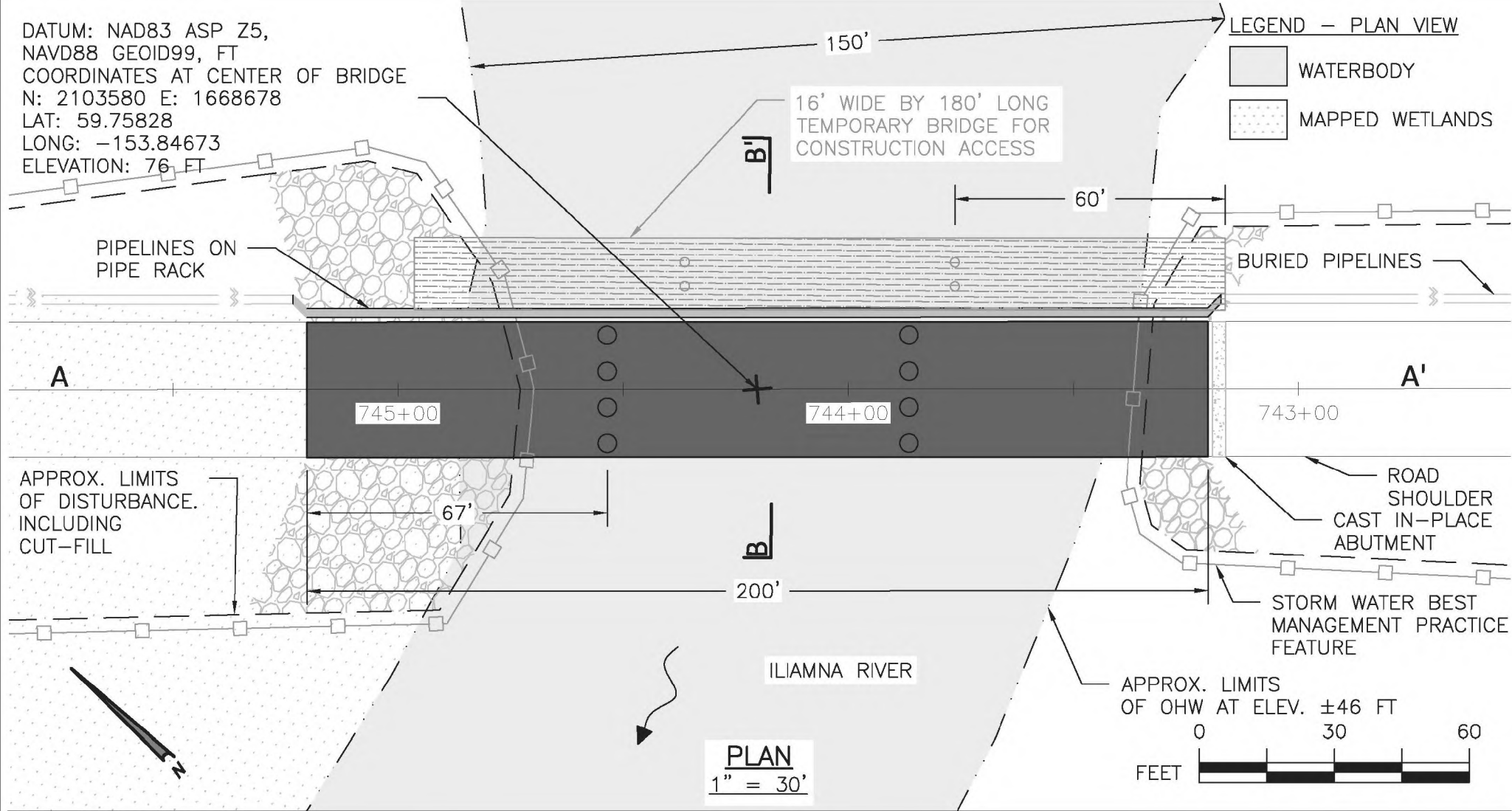
NOTES:

1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA.
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. TIMBERLINE CREEK BRIDGE PROPOSED TO BE A SINGLE 50 FT SPAN. PROPOSED ABUTMENTS TO BE SPILL THROUGH AND SUBSTRUCTURE TO BE PAD OR PILE.

PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		TIMBERLINE CREEK BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: ILIAMNA RIVER	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. BX-003



DATUM: NAD83 ASP Z5,  
NAVD88 GEOID99, FT  
COORDINATES AT CENTER OF BRIDGE  
N: 2103580 E: 1668678  
LAT: 59.75828  
LONG: -153.84673  
ELEVATION: 76 FT



NOTES:

1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE, THREE SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER.
5. ILIAMNA RIVER BRIDGE IS PROPOSED LENGTH IS 200 FT WITH THREE SPANS AT 67 FT EACH. NORTH ABUTMENT PROPOSED AS SPILL THROUGH WITH PILE SUBSTRUCTURE. SOUTH ABUTMENT AND SUBSTRUCTURE PROPOSED AS CAST IN-PLACE.

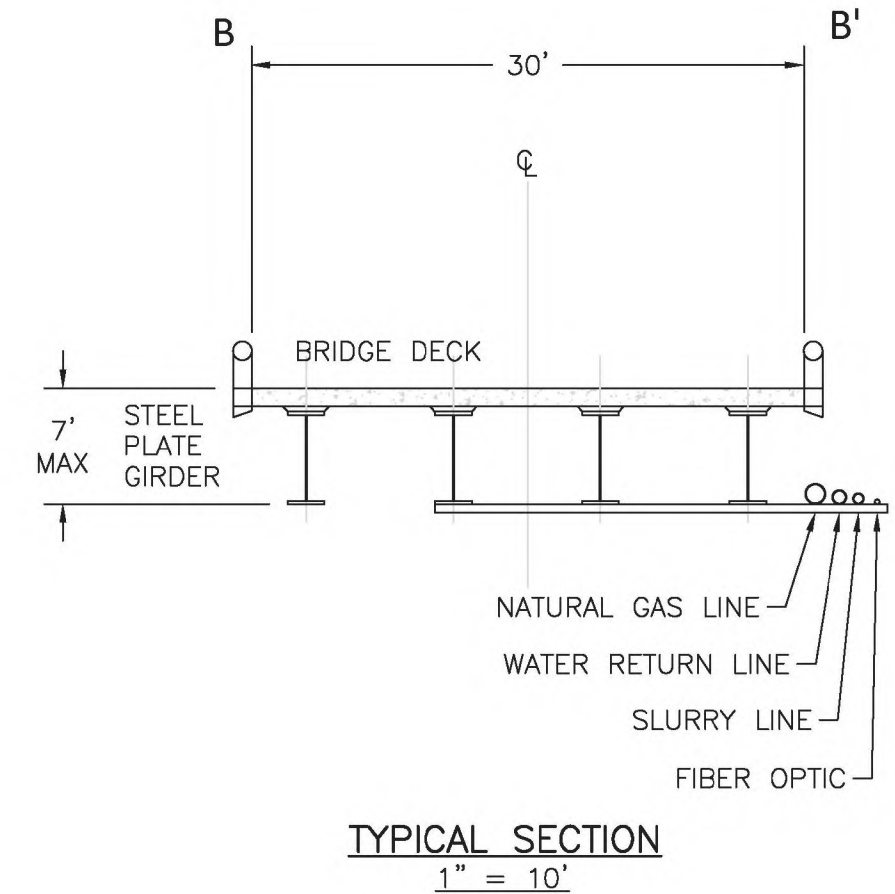
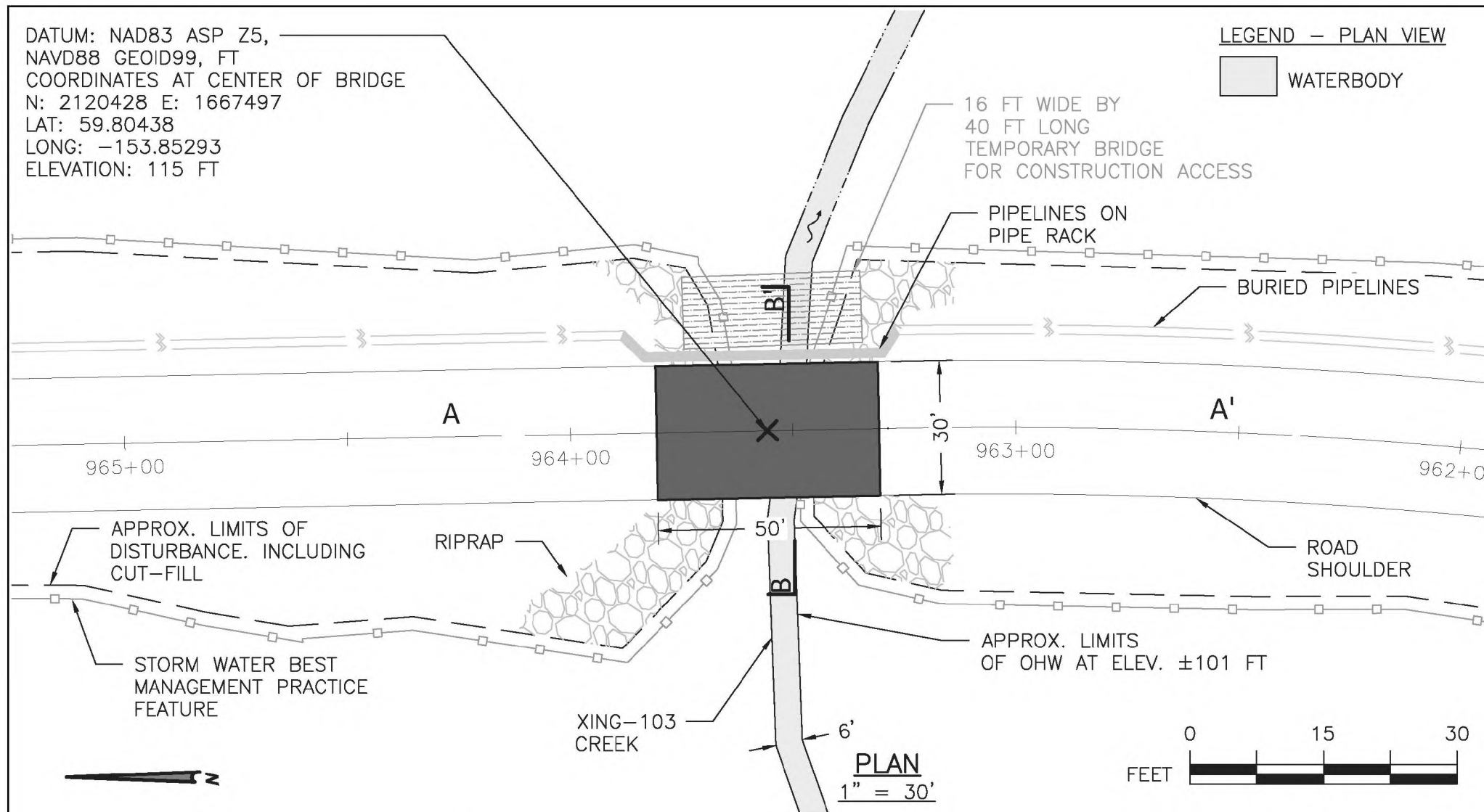
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		ILIAMNA RIVER BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	FIGURE NO. BX-004
WATERWAY: ILIAMNA RIVER	FILE NO. POA-2017-271		



DATUM: NAD83 ASP Z5, \_\_\_\_\_  
NAVD88 GEOID99, FT  
COORDINATES AT CENTER OF BRIDGE  
N: 2120428 E: 1667497  
LAT: 59.80438  
LONG: -153.85293  
ELEVATION: 115 FT

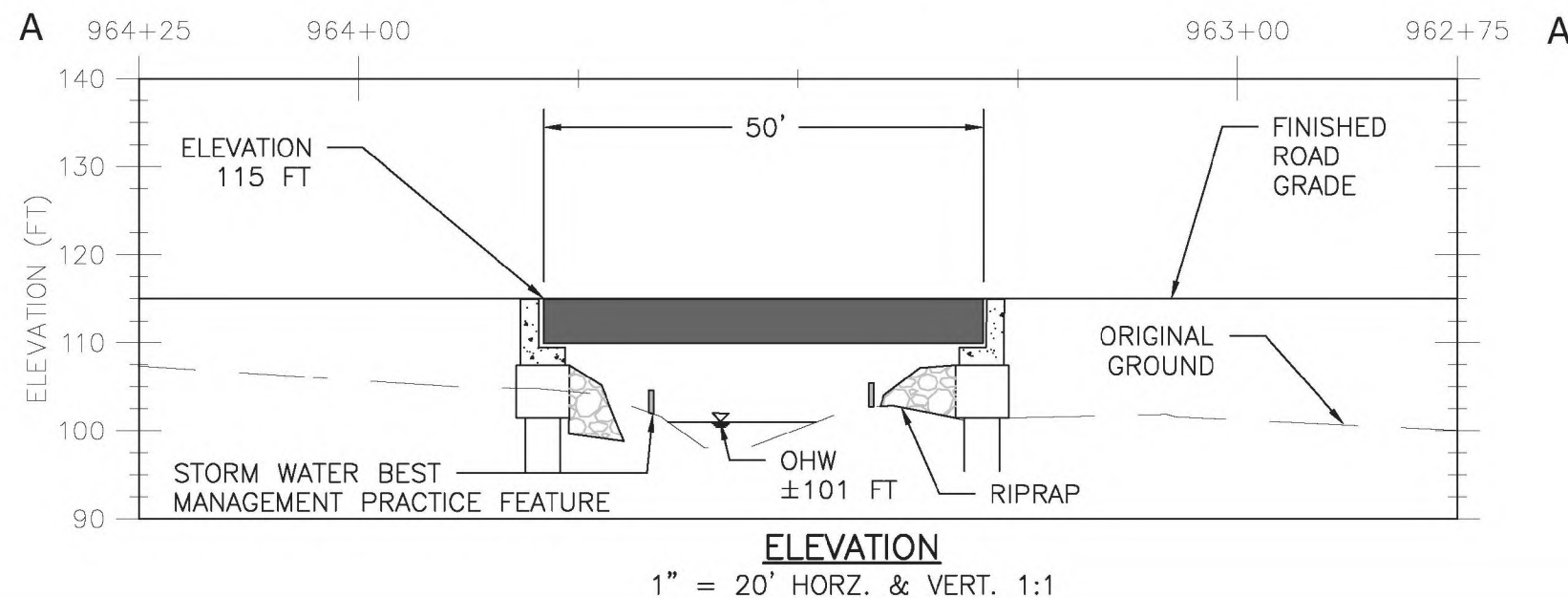
LEGEND — PLAN VIEW

WATERBODY



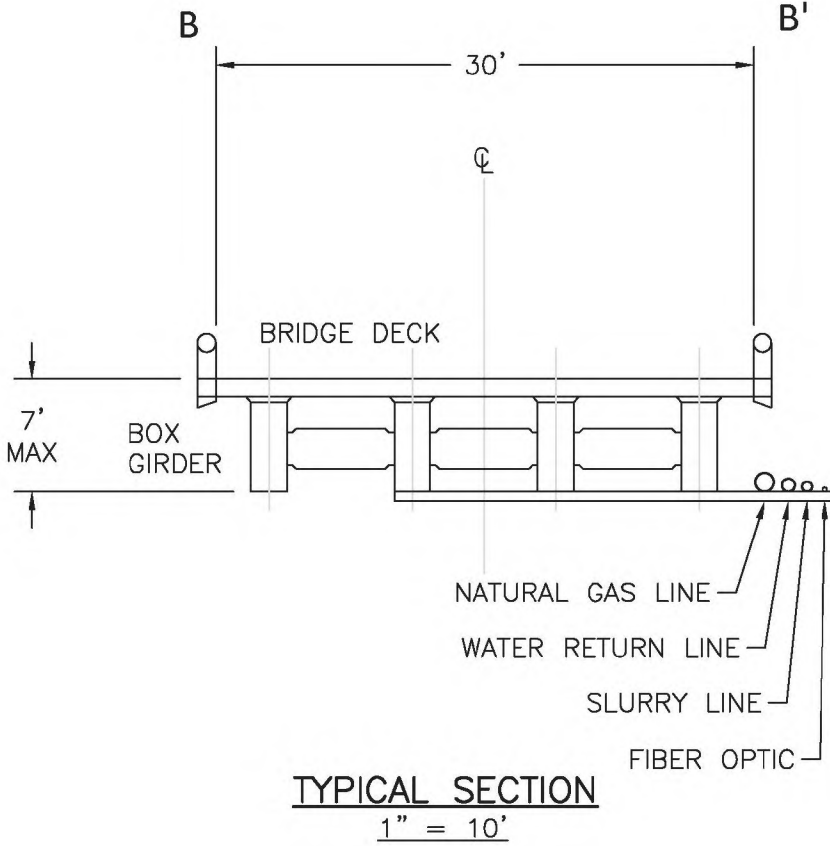
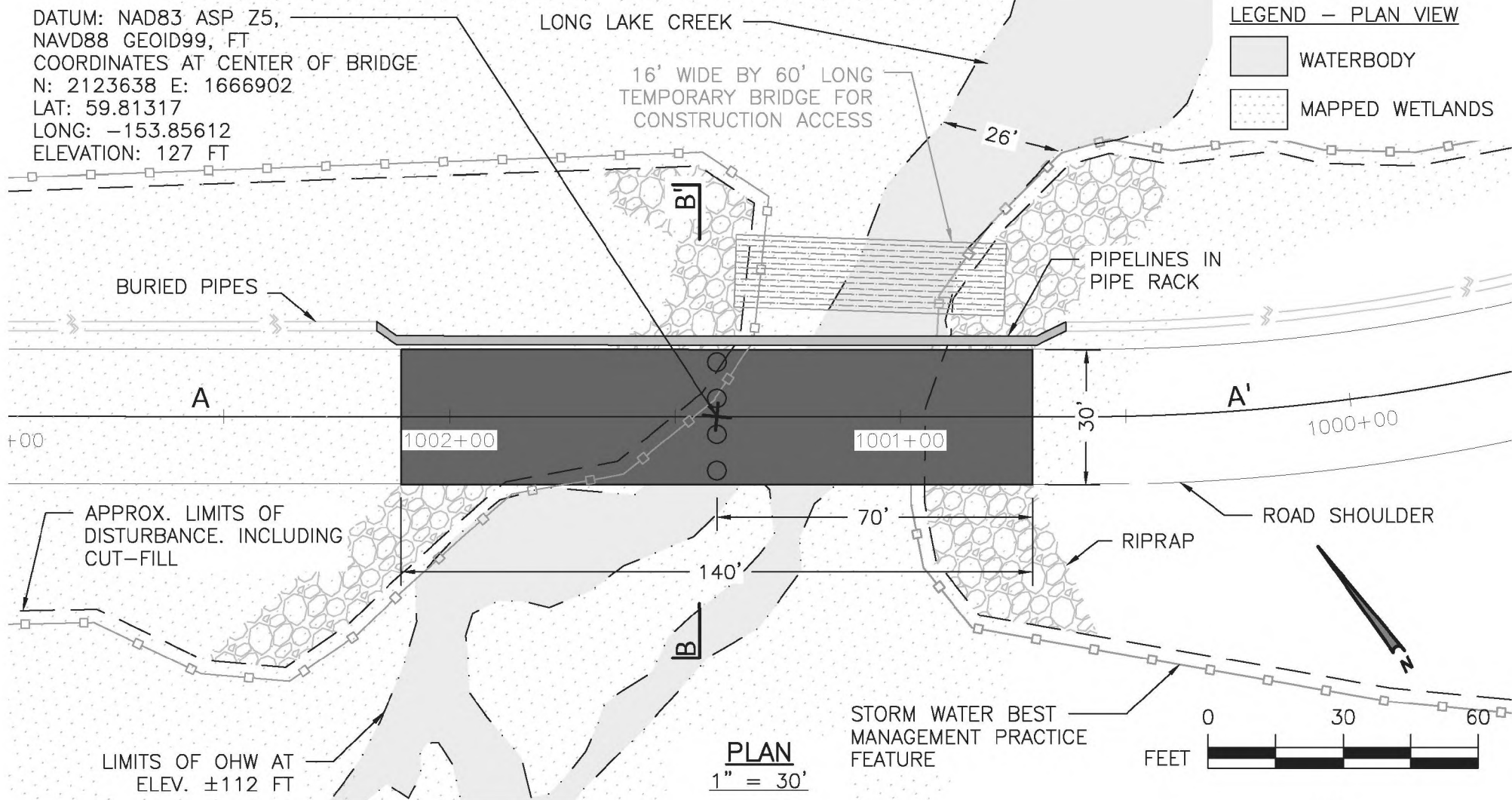
NOTES:

1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE CLEAR SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER. NO CONSTRUCTION BELOW OHW.
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. XING-103 BRIDGE IS PROPOSED TO BE A 50 FT SINGLE SPAN BRIDGE . PROPOSED ABUTMENTS TO BE SPILL THROUGH AND SUBSTRUCTURE TO BE PILE OR PRECAST CONCRETE PAD.

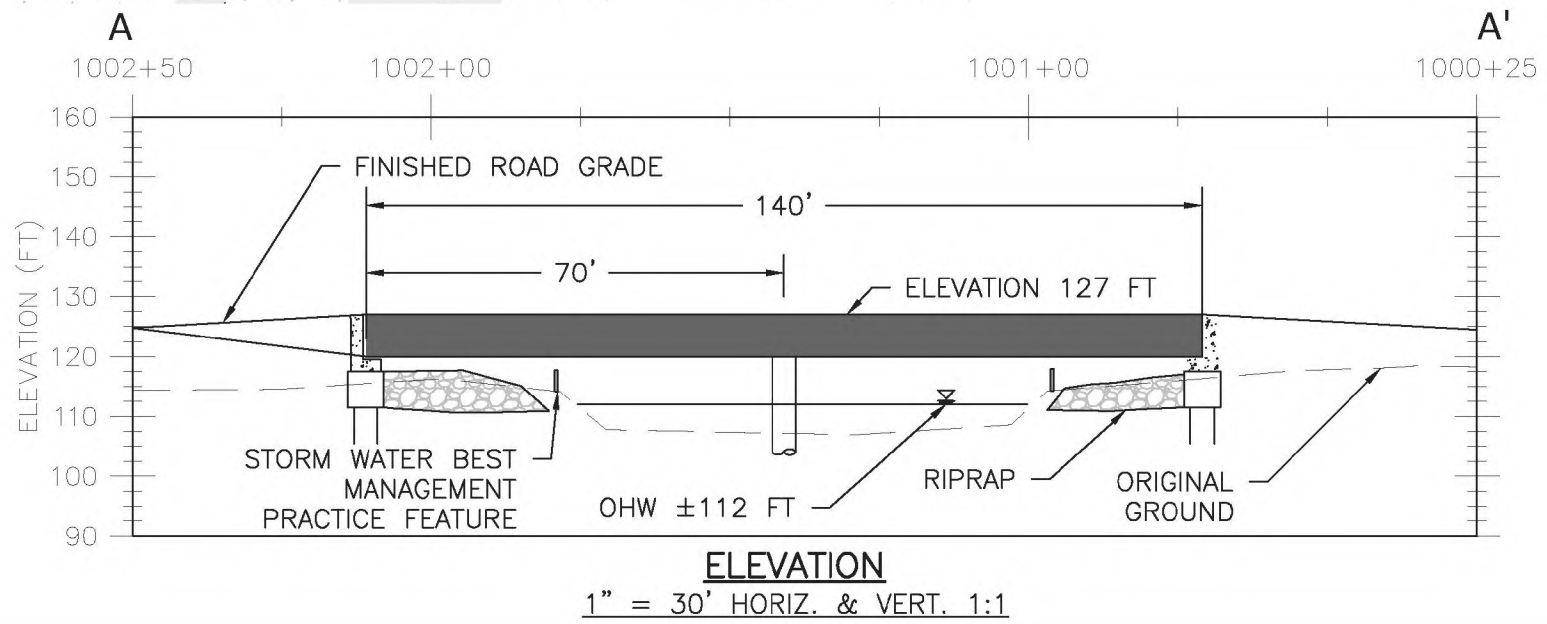


<b>PEBBLE PROJECT</b> APPLICANT: <b>PEBBLE LIMITED PARTNERSHIP</b>		DRAWING TITLE: <b>XING-103 CREEK BRIDGE          PLAN, PROFILE, AND TYPICAL          SECTION</b>	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: <b>MINERAL DEVELOPMENT</b>		
WATERWAY: ILIAMNA LAKE	FILE NO. <b>POA-2017-271</b>	DATE: <b>JUNE 2020</b>	FIGURE NO. <b>BX-005</b>



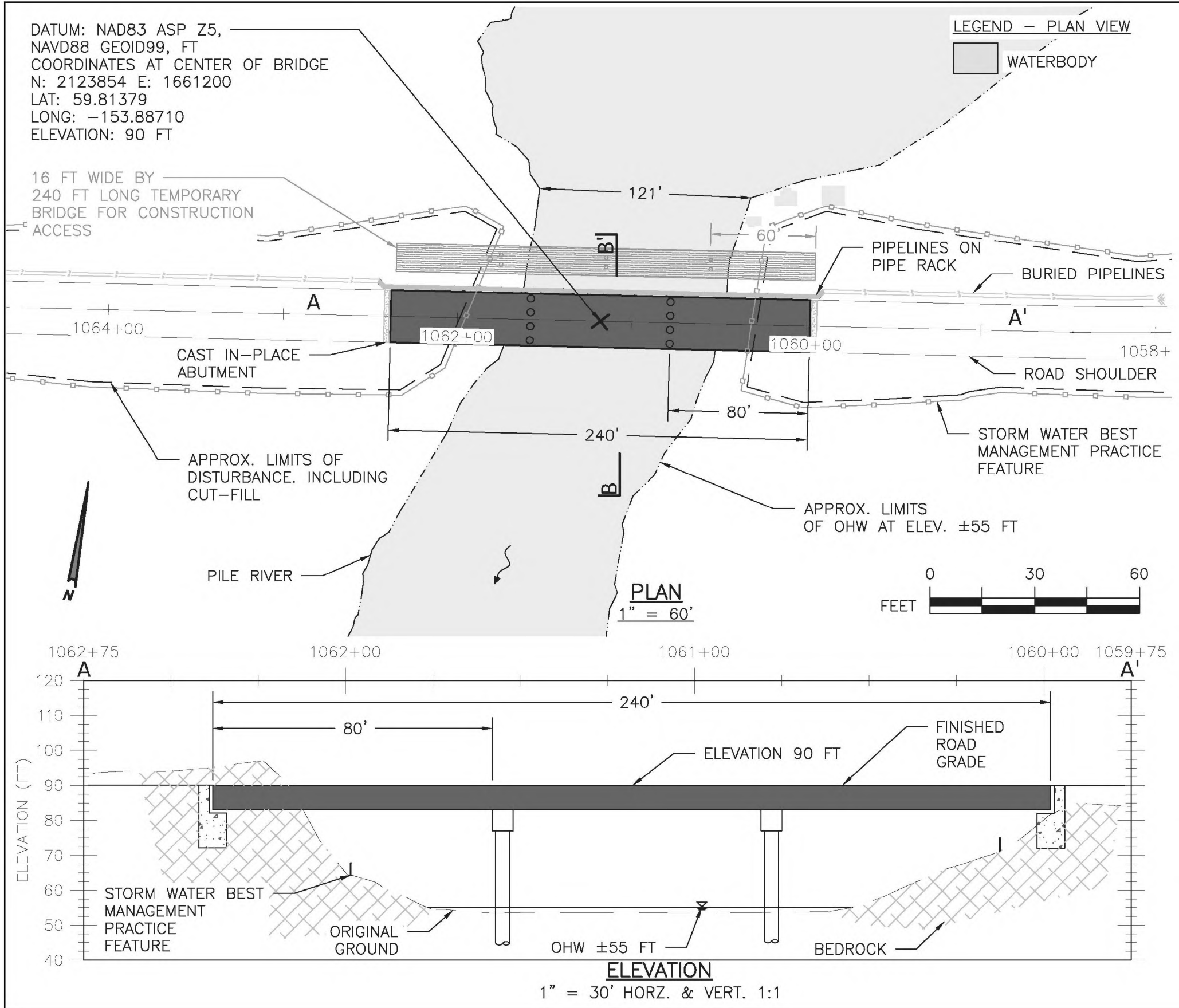


- NOTES:
1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA.
  2. STATIONING CURRENT AS OF 04/09/2020
  3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
  4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE CLEAR SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER. NO CONSTRUCTION BELOW OHW.
  3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
  4. LONG LAKE CREEK BRIDGE PROPOSED LENGTH IS 140 FT WITH TWO SPANS OF 70 FT EACH. PROPOSED ABUTMENTS TO BE SPILL THROUGH AND SUBSTRUCTURE TO BE PILE.



PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		LONG LAKE CREEK BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: PILE RIVER	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. BX-006



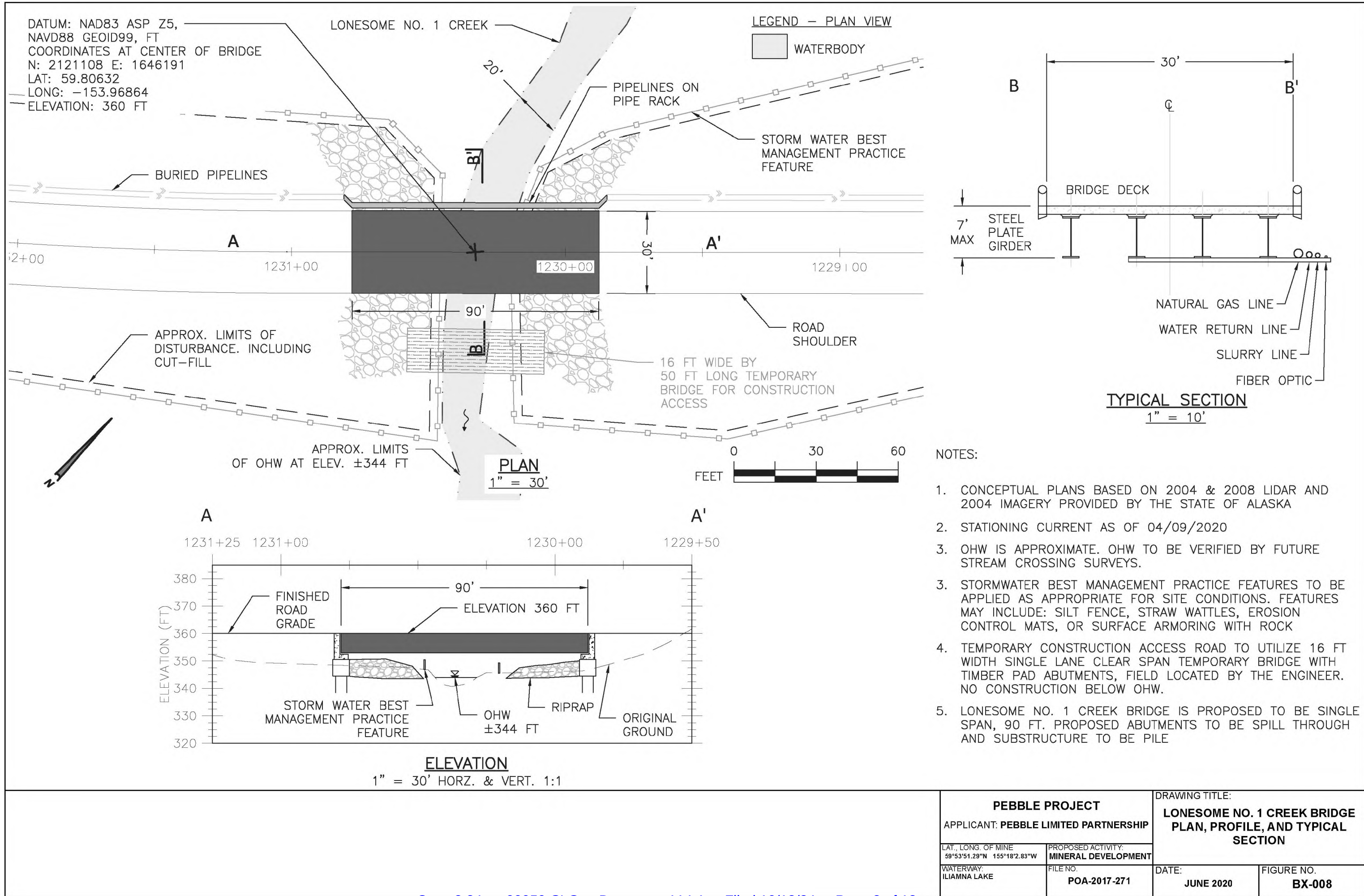


NOTES:

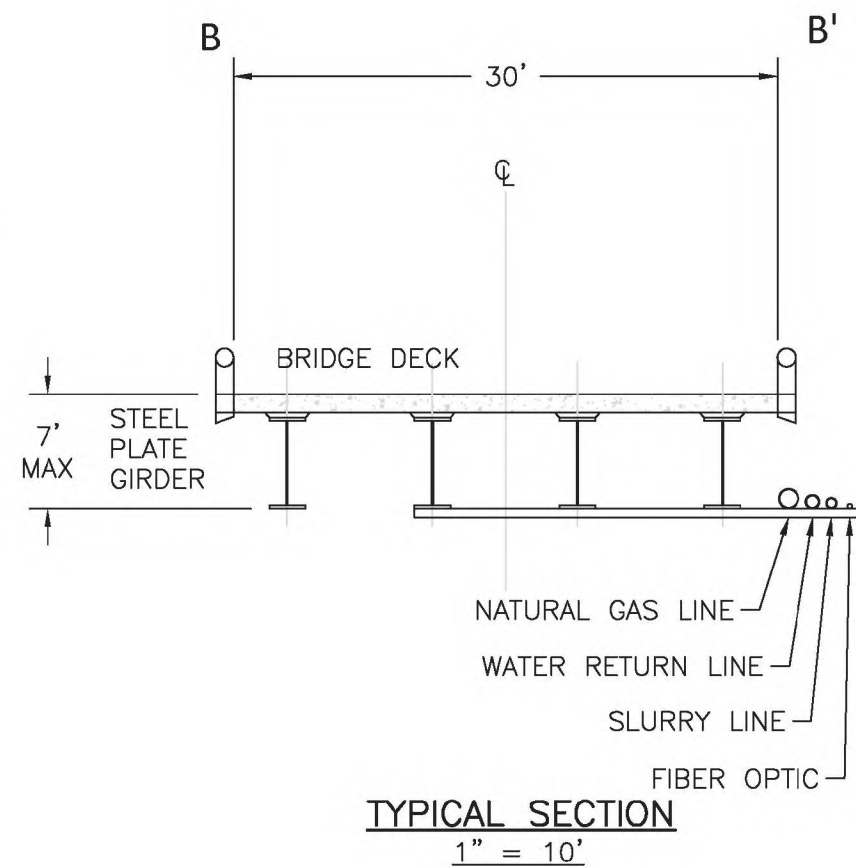
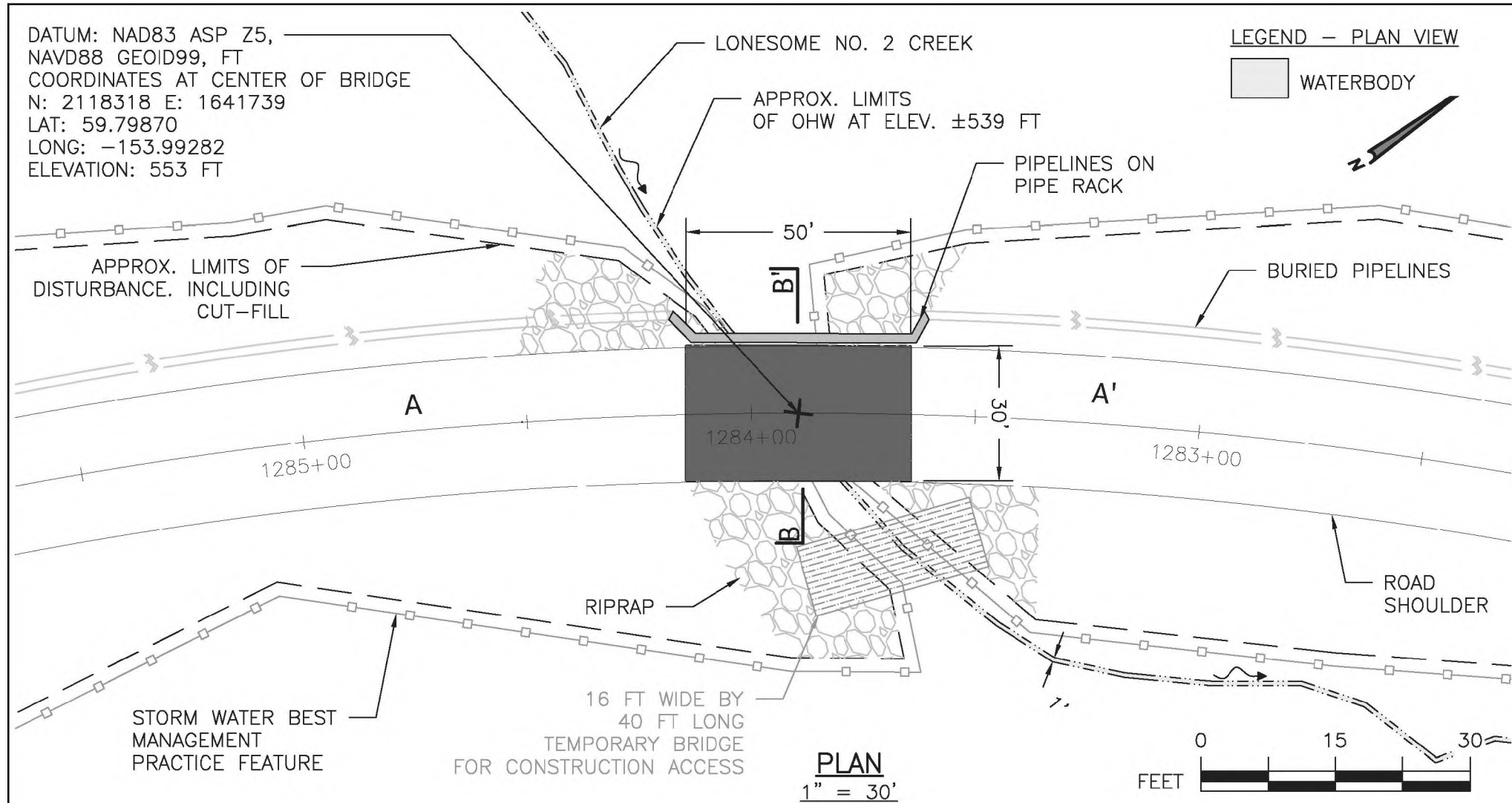
1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE FOUR SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER.
5. PILE RIVER BRIDGE PROPOSED LENGTH IS 240 FT WITH THREE SPANS AT 80 FT EACH. PROPOSED ABUTMENTS TO BE CAST IN-PLACE ON BEDROCK AND SUBSTRUCTURE TO BE CAST IN-PLACE.

<b>PEBBLE PROJECT</b> APPLICANT: <b>PEBBLE LIMITED PARTNERSHIP</b>		DRAWING TITLE: <b>PILE RIVER BRIDGE PLAN, PROFILE, AND TYPICAL SECTION</b>	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: <b>MINERAL DEVELOPMENT</b>	DATE: <b>JUNE 2020</b>	FIGURE NO. <b>BX-007</b>
WATERWAY: PILE RIVER	FILE NO. <b>POA-2017-271</b>		



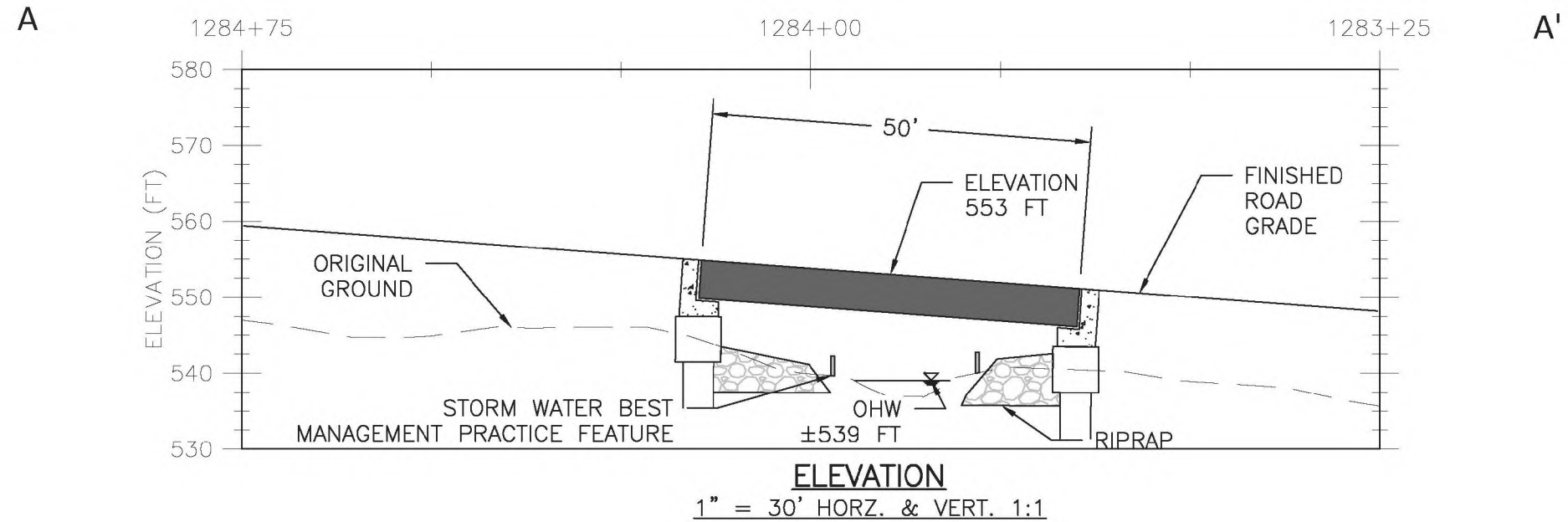






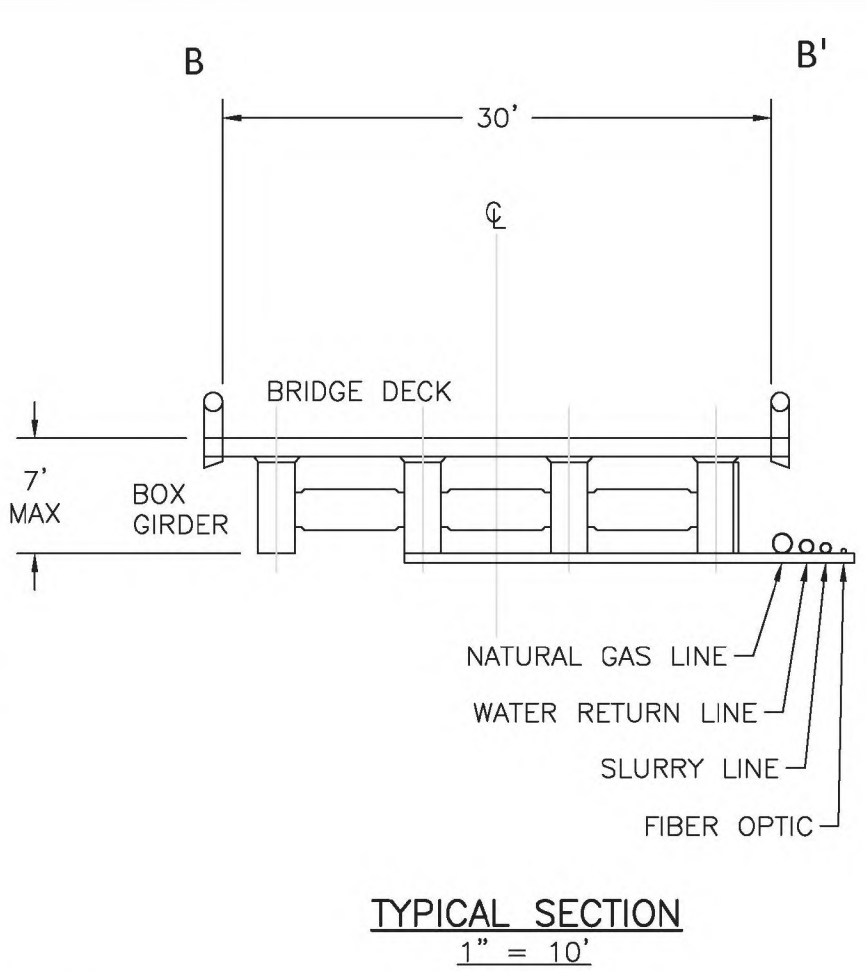
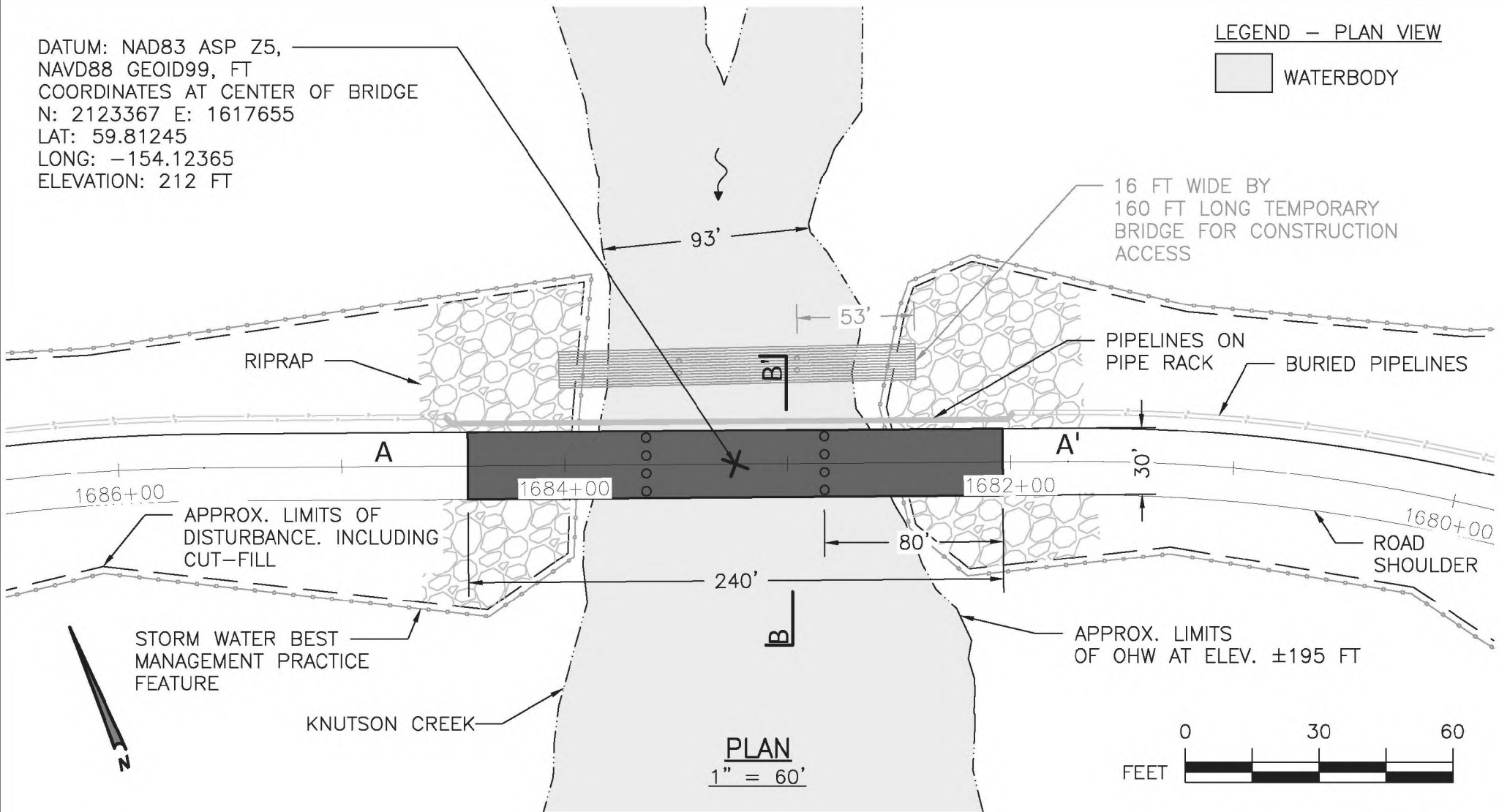
NOTES:

1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE CLEAR SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER. NO CONSTRUCTION BELOW OHW.
5. LONESOME NO. 2 CREEK BRIDGE IS PROPOSED 50 FT SINGLE SPAN. PROPOSED ABUTMENTS TO BE SPILL THROUGH AND SUBSTRUCTURE TO BE PILE OR PRECAST CONCRETE PAD.



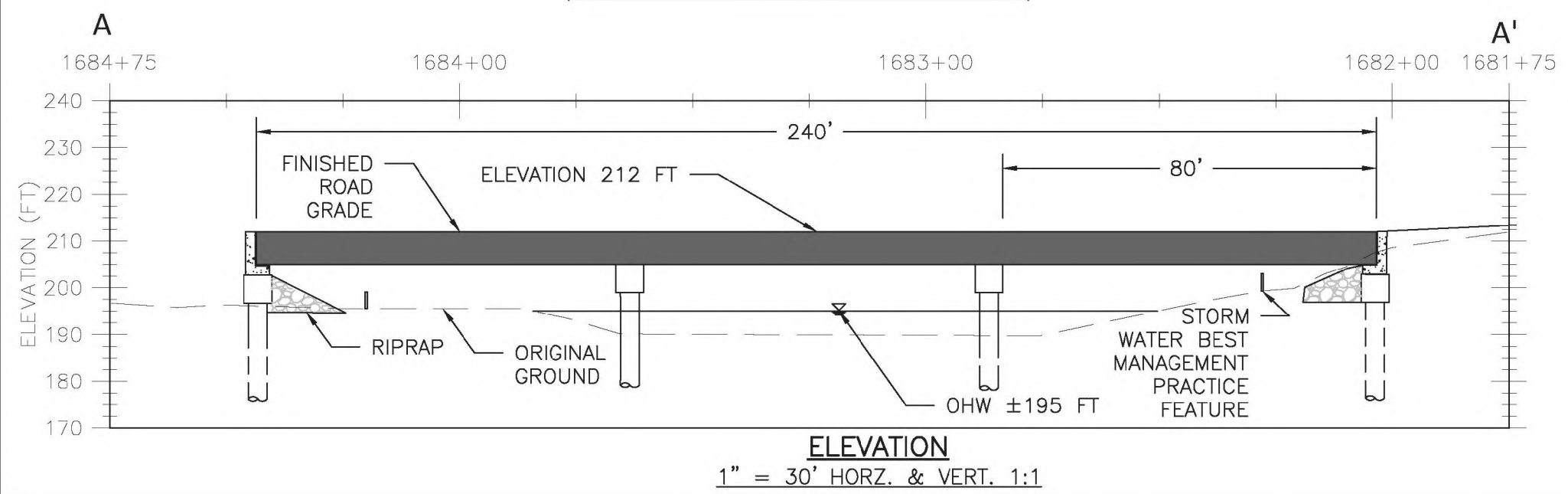
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		LONESOME NO. 2 CREEK BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: ILIAMNA LAKE	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. BX-009





NOTES:

1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE, THREE SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER.
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. KNUTSON CREEK BRIDGE PROPOSED LENGTH IS 240 FT WITH THREE SPANS AT 80 FT EACH. PROPOSED ABUTMENTS TO BE SPILL THROUGH AND SUBSTRUCTURE TO BE PILE OR PRECAST CONCRETE PAD.



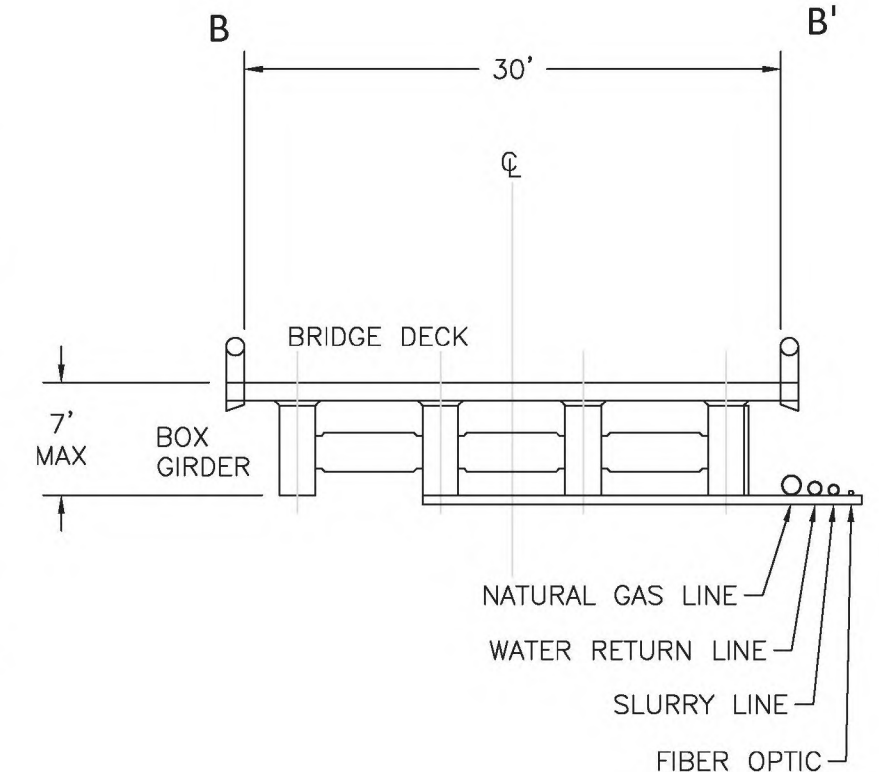
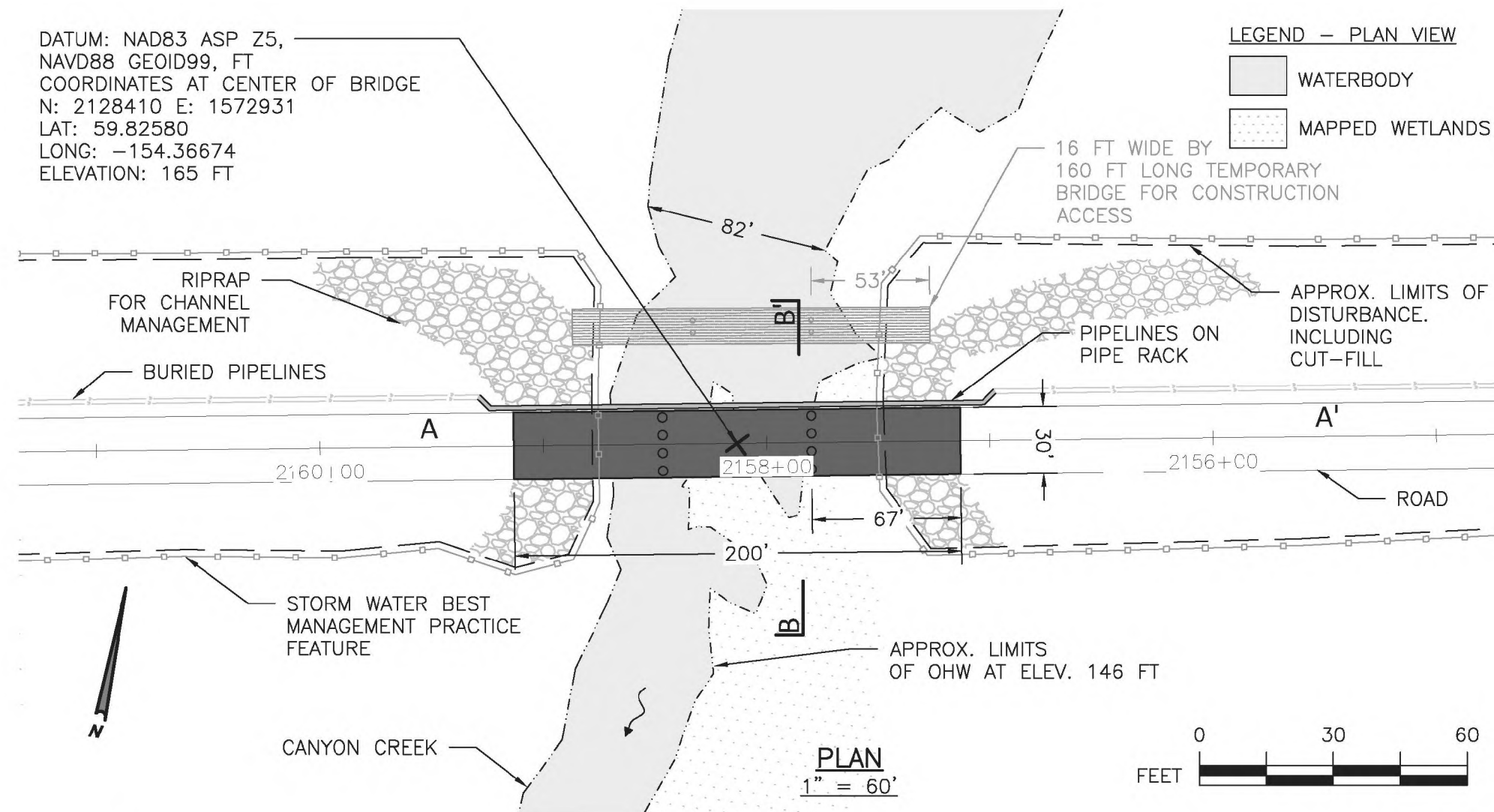
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		KNUTSON CREEK BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: ILIAMNA LAKE	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. BX-010



DATUM: NAD83 ASP Z5,  
NAVD88 GEOID99, FT  
COORDINATES AT CENTER OF BRIDGE  
N: 2128410 E: 1572931  
LAT: 59.82580  
LONG: -154.36674  
ELEVATION: 165 FT

# LEGEND — PLAN VIEW

- WATERBODY
- MAPPED WETLANDS

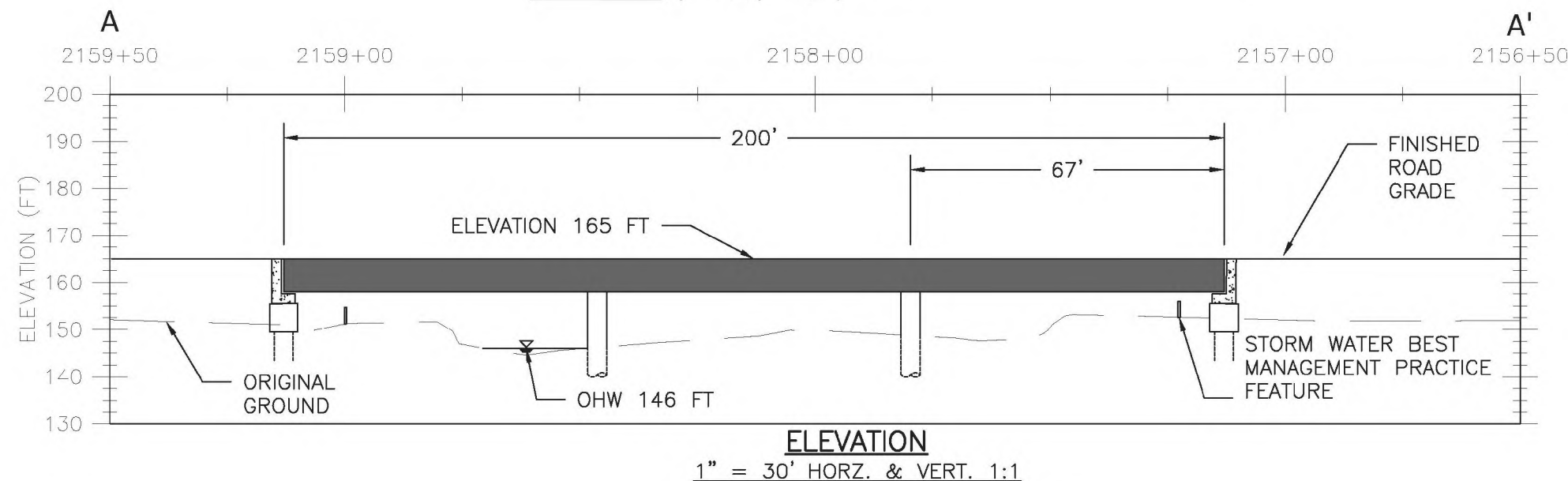


## TYPICAL SECTION

1" = 10'

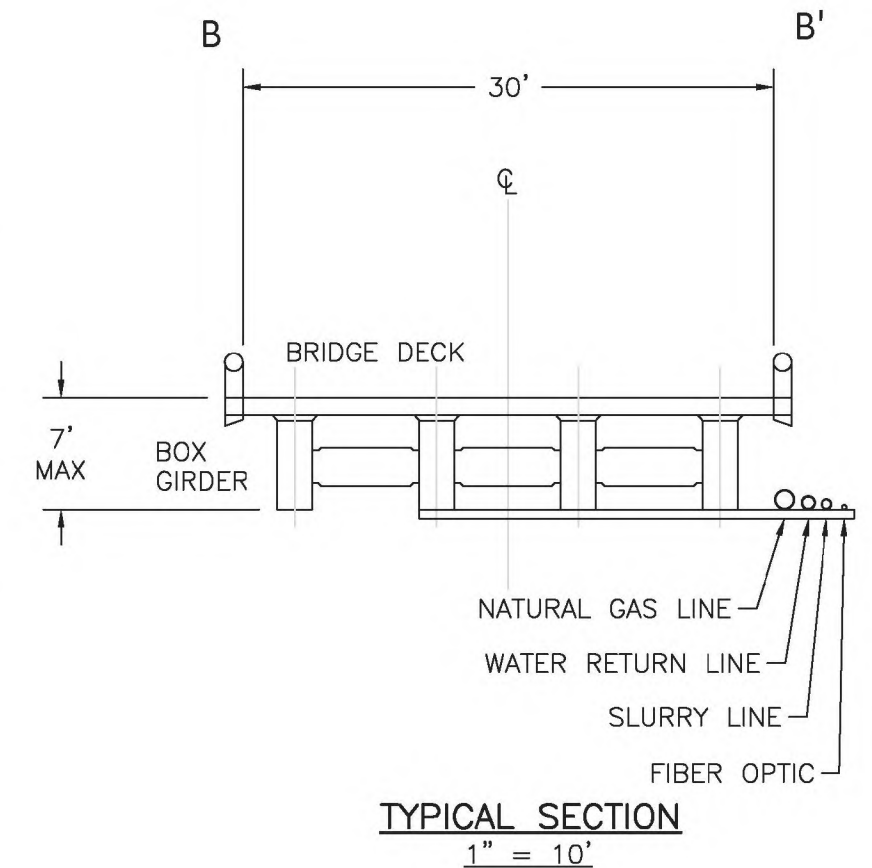
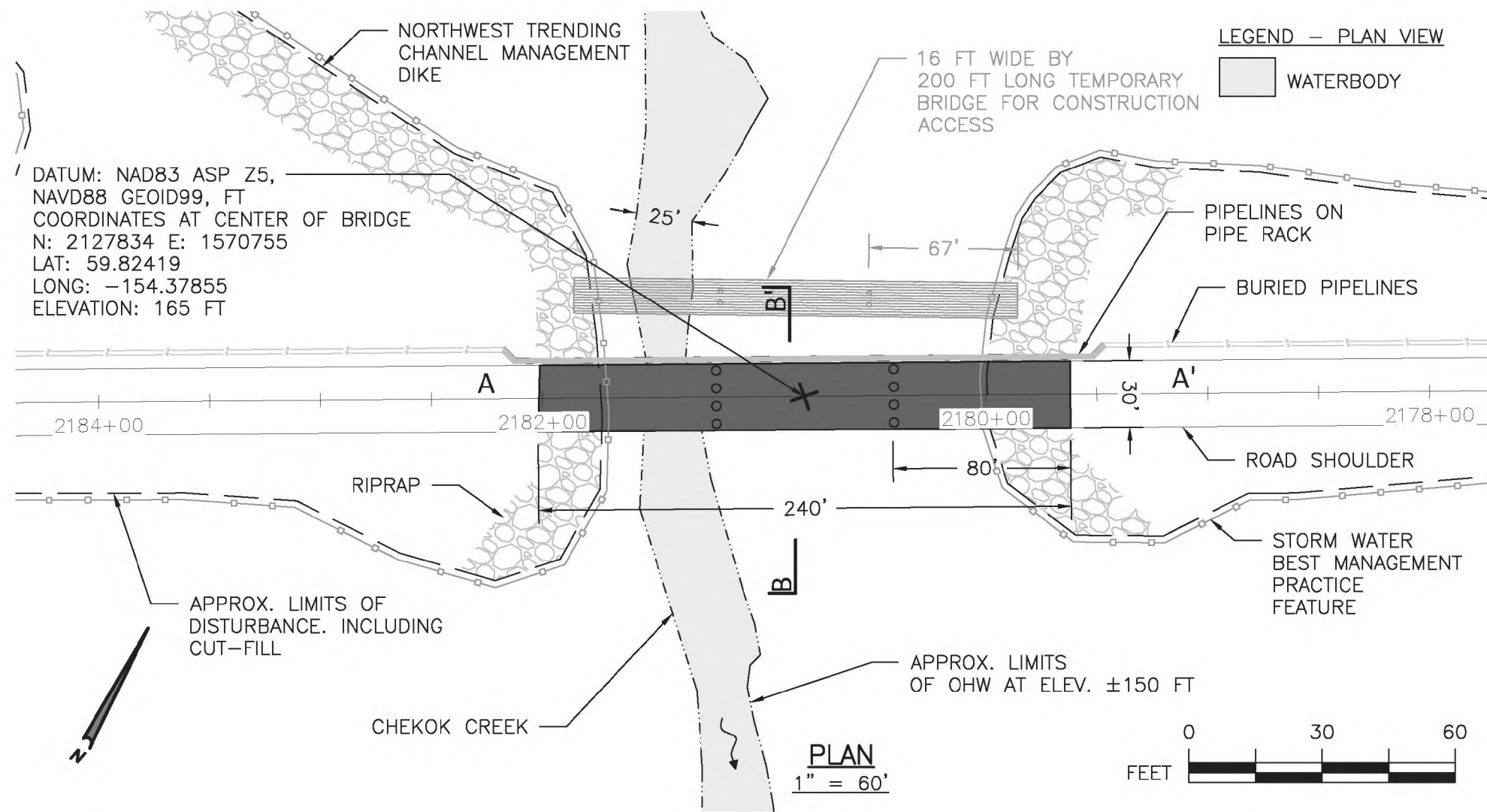
## NOTES:

1. CONCEPTUAL PLANS BASED ON 2010 HYDRO SURVEY BY RECON LLC.
2. STATIONING CURRENT AS OF 04/09/2020
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE, THREE SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER.
5. CANYON CREEK BRIDGE PROPOSED LENGTH IS 200 FT WITH THREE SPANS OF 67 FT EACH. PROPOSED ABUTMENTS TO BE SPILL THROUGH AND SUBSTRUCTURE TO BE PILE OR PRECAST CONCRETE PADS.



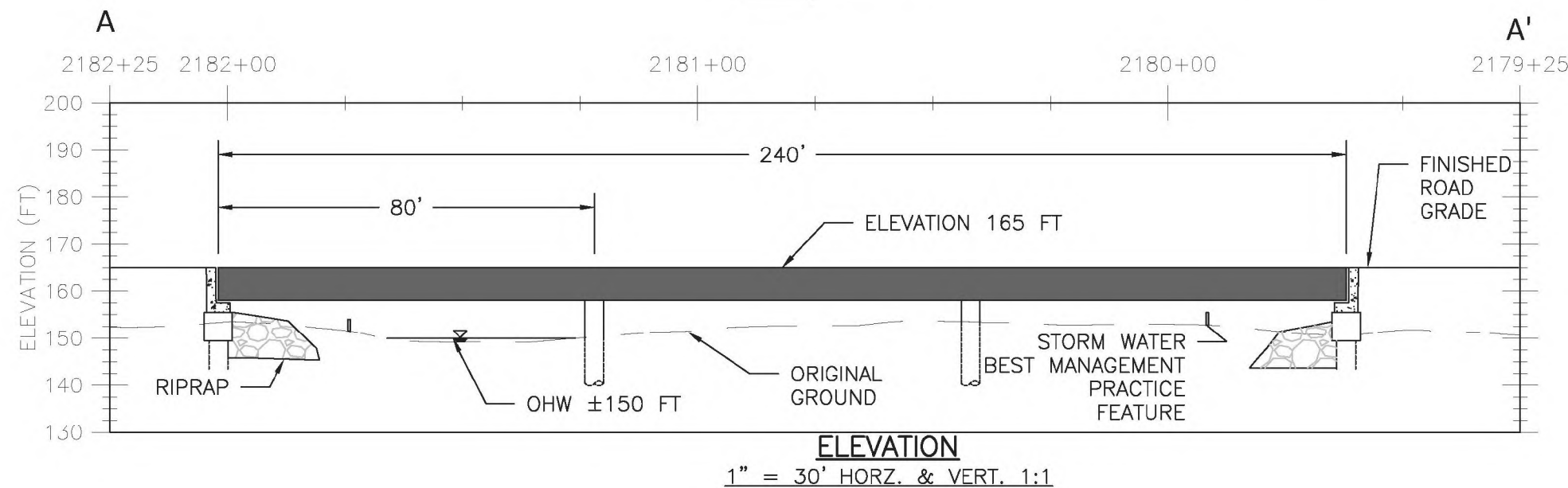
PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		CANYON CREEK BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT		
WATERWAY: ILIAMNA LAKE	FILE NO. POA-2017-271	DATE: JUNE 2020	FIGURE NO. BX-011





**NOTES:**

1. CONCEPTUAL PLANS BASED ON 2004 & 2008 LIDAR AND 2004 IMAGERY PROVIDED BY THE STATE OF ALASKA
2. STATIONING CURRENT AS OF 04/09/2020
3. OHW IS APPROXIMATE. OHW TO BE VERIFIED BY FUTURE STREAM CROSSING SURVEYS.
3. STORMWATER BEST MANAGEMENT PRACTICE FEATURES TO BE APPLIED AS APPROPRIATE FOR SITE CONDITIONS. FEATURES MAY INCLUDE: SILT FENCE, STRAW WATTLES, EROSION CONTROL MATS, OR SURFACE ARMORING WITH ROCK
4. TEMPORARY CONSTRUCTION ACCESS ROAD TO UTILIZE 16 FT WIDTH SINGLE LANE CLEAR SPAN TEMPORARY BRIDGE WITH TIMBER PAD ABUTMENTS, FIELD LOCATED BY THE ENGINEER.
5. CHEKOK CREEK BRIDGE PROPOSED LENGTH IS 240 FT WITH THREE SPANS AT 80 FT EACH. PROPOSED ABUTMENTS TO BE SPILL THROUGH AND SUBSTRUCTURE TO BE PILE OR PRECAST CONCRETE PAD.



PEBBLE PROJECT		DRAWING TITLE:	
APPLICANT: PEBBLE LIMITED PARTNERSHIP		CHEKOK CREEK BRIDGE PLAN, PROFILE, AND TYPICAL SECTION	
LAT., LONG. OF MINE 59°53'51.29"N 155°18'2.83"W	PROPOSED ACTIVITY: MINERAL DEVELOPMENT	DATE: JUNE 2020	FIGURE NO. BX-012
WATERWAY: CHEKOK CREEK	FILE NO. POA-2017-271		